Weekly Report

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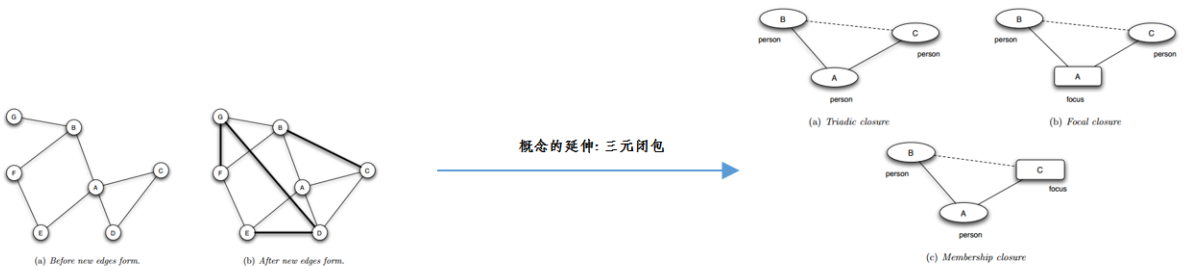
In Gongan, I conveyed Shi's idea to Prof.He. Shi said that we can further revise the model and algorithms, add more data attributes and test with more data samples. The whole group communicate with each other via email.
Prof Chen discussed with me about my future work. After revision, four tasks are identified and reasonably weighed.

- Focused on the NetEase project. Temporarily I decide a topic for next year's VIS: visualizations and visual analytics on many ego-networks after discussion with Prof.Wu.
- A literature review for predictive visual analytics.
- Get involved in Gongan Project again.
- If need, involved in alibaba's project on the data which used in Gongan.

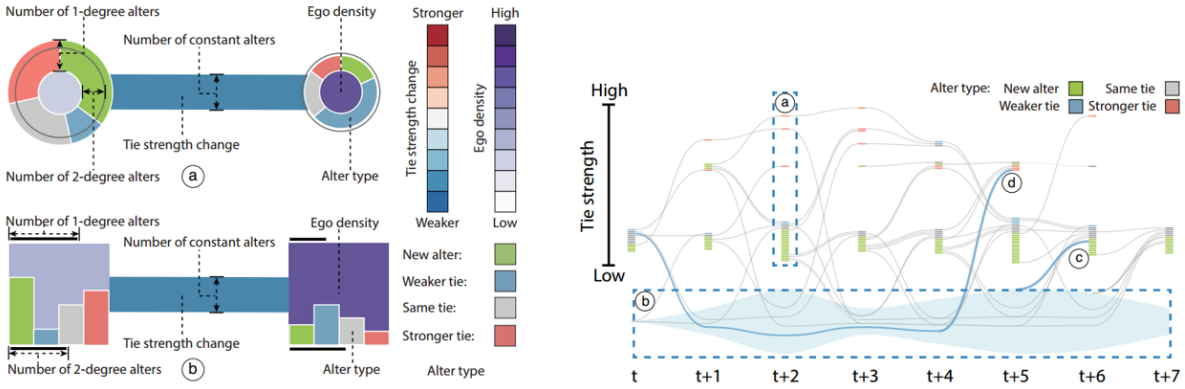
Recently, I mainly focused on item 1, or say made preparation for item 1, such as reading book and paper related to social network analysis and ego-centric visualization.

I finished remaining part of Chap 3 and Chap 4. Theories in Chap 4 can be viewed as an extension of Chap 3.In chap3, the nodes only represent people, while in 4 one node can stand for either a foci or a person. Thus the links, triadic closure have different meanings too. Here network has a more macro framework and the tie and break down of network in Chaps become homophily and isolate in Chap4. I also point out an error of this book on Page 69. And I will make a report on the first part of this book on Thursday.



I read the paper *egoSlider: Visual Analysis of Egocentric Network Evolution*. It's an paper on VA of many ego-networks. Previous research on this field failed to depict the overall situation or the dynamic of many ego-networks. The main window of the application consists of 3 views. Before they designed, they identified 8 questions on 3 different levels: macroscopic, mesoscopic and microscopic. They use DBLP data

of the field of CG and infovis as a demo and explicitly state the Data Overview, summary timeline view and alter timeline view. It brings in the concept of Canberra Distance, and draws a storyline-like graph to depict the relations between alters and between alters and ego. However , interactions is necessary here and I think they designed in a right way. Two designed we can learn are as follows:



They use personal information collected to explain the results they see on the screen. The user study proves the efficiency of their system. However, I do not agree with them on where they say “similar”,such as “similar curves” and they didn’t refer to this in user study. I think this work may require more experience in related field.

Last week I set a unrealistic goal for me, on one side I didn’t increase my efficiency and on the other side due to many reasons such as deal with kind of events before the beginning of a new term. Next week, I will select course, adapt myself to the new style of learning course. And most importantly, boost in reading network and predictive VA related document.